# The POSOGRAPH

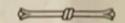
A Simple Automatic Calculator for Solving the Problem of Correct Exposures in 

Photography.

Silver Medal Turin International Exhibition, 1923.

Without previous experience the photographer is able, by its means, to Calculate the Exposure required to get a Perfect Negative, whatever may be the conditions either outdoors or indoors.

Invaluable for Autochromes and Colour Plates.



Agents :-

#### James A. Sinclair & Co.

Telephone: Regent 6288.

54, HAYMARKET.

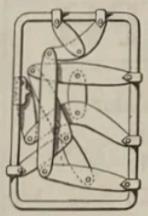
Telegrams: Oraculum, "Piccy,"

LONDON, s.w.1.

London.



## Description of the Instrument.



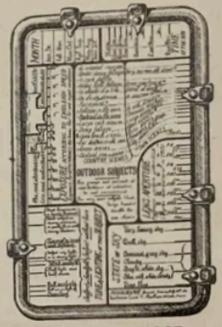
THE INTERIOR MECHANISM.

'HE "POSOGRAPH" consists of a frame of polished nickel, along which slide six pointers which can at once be adjusted against scales representing all the complex factors governing exposure; whether for exterior or interior subjects. All these pointers are connected together with a most ingenious internal mechanism formed of flat metal levers, and which serve to connect the pointers to a cursor bearing four points indicating the exposures required for any class of subject with plates of four different speeds. The instrument measures 51 in. by 38 in. by 1 in., and weighs 31 ounces. It is supplied in a small flat leather pocket case.

ITS ADVANTAGES.—The advantages which this device possesses, as compared with the best exposure tables, are obvious. All that is necessary is to set the pointers to the appropriate positions, and then read the exposure time indicated by the point on the cursor corresponding to the speed of the emulsion used. The simplicity of this operation prevents those mistakes which so frequently arise when making an exposure, after the photographer has had to concentrate his attention to the adjustments of the camera.

The simplicity of the "Posograph" makes it possible, not merely to calculate the time of an exposure for any given subject, but also to make an analysis of the subject. For example, we can ascertain whether the exposure required by a dark foreground will be very different from that which will be suitable for the rest of the subject, or if it is possible to secure a good rendering of a cloud effect in a landscape without making use of a graduated filter. This study of the influence of each of the factors may be made, for each subject, much more clearly and rapidly than by reference to a handbook on the subject of exposures, and very quickly gives a degree of practical skill which normally is only gained by long practice and through the costly lessons of experience.

For Interior Subjects not only is the outer light taken into consideration, but also the colour of the floor, the colour of the walls, the area of sky visible through the windows, and the position of the object in rooms lit by varying amounts of window space. It will be realised that no other instrument gives such an accurate estimate of the exposures necessary in the lase of the very varied conditions met with when photographing interiors.



SIDE FOR OUTDOOR SUBJECTS.



SIDE FOR INTERIOR SUBJECTS.

The points on the cursor which indicate the exposure correspond respectively to emulsions of the following rades:

POINT 3.—Ordinary orthochromatic emulsions (H. & D. 70) used with a 3-times yellow light-filter; or slow emulsions (H. & D. 20) used without a filter.

POINT 1.—Ordinary rapid emulsions (H. & D. 70) without a filter; rapid or orthochromatic emulsions (H. & D. 200) used with a 3-times filter.

POINT 1.—Extra-rapid emulsions for instantaneous exposures (H. & D. 200) without a filter.

POINT 1.—Ultra-rapid emulsions for high-speed work (H. & D. 450).

For Autochrome Plates take the figure indicated by Point 1, but read as minutes instead of seconds.

It should be borne in mind that Plate Makers very often exaggerate their H. & D. numbers, but a single practical trial made with the "Posograph" will show, once for all, the suitable point to be used with any chosen kind of plate.

NOTE,—Regarding Tropical Countries and Southern Hemispheres.—The exposures indicated are those for countries enjoying moderate climate in the Northern Hemisphere. In the tropics, latitude must be take the consideration by moving to the right the index finger showing the months. For instance, in equatorial countries the index fingers should indicate July during the dry period and September during the wet period. In the Southern Hemisphere, the table of the months should be transposed, and December and January should read as June and July, May and August as November and February, &c.

### Concerning the Accuracy of the "Posograph."

The readings of the "Posograph" have been verified and corrected in the course of an extremely large number of practical tests, made under all possible conditions during the years that have preceded its final production.

Each face of the instrument may be regarded as an exposure record in which are noted the result of thousands of trial exposures, together with all the conditions under which they were made; and among these it is possible to find at once, one which conds with the exposure that is to be made. Whatever the conditions, a reading given by the "Posograph" may be regarded as the result of a president at trial, and it is this fact which makes the instrument superior to the various exposure measurers of the vision or sensitive paper types, which, often excellent in theory, prove unsatisfactory whenever conditions are out of the ordinary.

PRICE of the "POSOGRAPH" complete with solid leather pocket case,

10/6

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